

WHAT IS CLAIMED IS:

1. A computer-readable medium having computer-executable instructions, comprising:

storing source code on a server, the source code

5 associated with a version;

compiling the source code into executable code;

obtaining information that identifies the server and the version associated with the source code;

storing the information in a debug area associated with  
10 the executable code.

2. The computer-readable medium of claim 1, further comprising:

extracting the information from the debug file;

15 requesting the source code associated with the version from the server via the information;

placing the source code in a directory used by a debugger to debug the executable code;

executing the debugger and matching an instruction in the  
20 executable code to an instruction in the source code.

3. The computer-readable medium of claim 1, wherein the source code includes programming statements which, when compiled, produce executable code.

5 4. The computer-readable medium of claim 1, wherein the server comprises a version control server that stores a plurality of versions of the source code.

10 5. The computer-readable medium of claim 1, wherein the information comprises a name of the server, a port of the server at which the server may be accessed to access the source code, a path to the source code, and a numeric value that indicates a version number of the source code.

15 6. The computer-readable medium of claim 1, wherein the executable code includes code that was compiled from a plurality of source code files, each source code file associated with a version.

20 7. The computer-readable medium of claim 6, further comprising obtaining additional information that identifies the versions associated with the plurality of source code

files to the server and storing the additional information in the debug file.

8. The computer-readable medium of claim 1, wherein the  
5 debug area comprises a program database file that is separate from the executable code.

9. The computer-readable medium of claim 1, wherein the  
debug area comprises a portion of an executable file that  
10 includes the executable code.

10. The computer-readable medium of claim 1, further comprising

iterating each source code file that is part of a  
15 compilation, each source code file having a version;

obtaining information that identifies the version of each source code file to the server and a local name of each source code file;

storing the information in a lookup table; and

20 extracting, from a binary, local names of a source code files that were used in compiling the binary; and

for each source code file that was used in compiling the binary, looking up the version in the lookup table by using the local name of the source code file.

5           11. A system for debugging binaries, comprising:

a compiler arranged to compile source code files into a binary and to generate debug data;

a version control server arranged to store versions of the source code;

10           an extractor arranged to determine information including the version of each source code file used to create the binary and store the information for use in retrieving the source code files at a debug time.

15           12. The system of claim 11, further comprising a source server arranged to extract the information at debug time, retrieve the source code files from the version control server, and place the source code files in a directory accessible by a debugger.

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13. The system of claim 11, wherein the source server comprises a component of the debugger.

14. The system of claim 11, wherein the source server is separate from the debugger.

5        15. The system of claim 14, wherein the debugger is arranged to find the source code files in the directory and is unaware of the version control server.

10        16. The system of claim 11, wherein the information comprises key values including a name of the version control server, a port of the version control server at which the version control server may be accessed to access the source code files, a path or paths to the source code files, and a plurality of numeric values, each numeric value indicating a  
15        version number of a corresponding source code file.

17. A computer-readable medium having stored thereon a data structure, comprising:

20        a first data field containing data that identifies a version control server that stores a plurality of source code files, each source code file associated with at least one version;

a second data field containing data that identifies a port of the version control server at which the source code files are accessed;

a third data field containing data that identifies a set  
5 of source code files including version information compiled to create a binary; and